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Product datasheet for SC322007

DDX47 (NM_016355) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX47 (NM_016355) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX47
Synonyms:	E4-DBP; HQ0256; MSTP162; RRP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene sequence for SC322007
CAAGATGGCGGCACCCGAGGAACACGATTCTCCGACCGAAGCGTCCCAGCCGATTGTGGA
AGAGGAGGAAACTAAAACATTTAAAGACCTGGGTGTGACAGATGTGTTGTGTGAAGCTTG
TGACCAGTTGGGATGGACAAAACCCACCAAGATCCAGATTGAAGCTATTCCTTTGGCCTT
ACAAGGTCGTGATATCATTGGGCTTGCAGAAACTGGCTCTGGAAAGACAGGCGCCTTTGC
TTTGCCCATTCTAAACGCACTGCTGGAGACCCCGCAGCGTTTGTTTGCCCTAGTTCTTAC
CCCGACTCGGGAGCTGGCCTTTCAGATCTCAGAGCAGTTTGAAGCCCTGGGGTCCTCTAT
TGGAGTGCAGAGTGCTGTGATTGTAGGTGGAATTGATTCAATGTCTCAATCTTTGGCCCT
TGCAAAAAAACCACATATAATAATAGCAACTCCTGGTCGACTGATTGACCACTTGGAAAA
TACGAAAGGTTTCAACTTGAGAGCTCTCAAATACTTGGTCATGGATGAAGCCGACCGAAT
ACTGAATATGGATTTTGAGACAGAGGTTGACAAGATCCTCAAAGTGATTCCTCGAGATCG
GAAAACATTCCTCTTCTCTGCCACCATGACCAAGAAGGTTCAAAAACTTCAGCGAGCAGC
TCTGAAGAATCCTGTGAAATGTGCCGTTTCCTCTAAATACCAGACAGTTGAAAAATTACA
GCAATATTATATTTTTATTCCCTCTAAATTCAAGGATACCTACCTGGTTTATATTCTAAA
TGAATTGGCTGGAAACTCCTTTATGATATTCTGCAGCACCTGTAATAATACCCAGAGAAC
AGCTTTGCTACTGCGAAATCTTGGCTTCACTGCCATCCCCCTCCATGGACAAATGAGTCA
GAGTAAGCGCCTAGGATCCCTTAATAAGTTTAAGGCCAAGGCCCGTTCCATTCTTCTAGC
AACTGACGTTGCCAGCCGAGGTTTGGACATACCTCATGTAGATGTGGTTGTCAACTTTGA
CATTCCTACCCATTCCAAGGATTACATCCATCGAGTAGGTCGAACAGCTAGAGCTGGGCG
CTCCGGAAAGGCTATTACTTTTGTCACACAGTATGATGTGGAACTCTTCCAGCGCATAGA
ACACTTAATTGGGAAGAAACTACCAGGTTTTCCAACACAGGATGATGAGGTTATGATGCT
GACAGAACGCGTCGCTGAAGCCCAAAGGTTTGCCCGAATGGAGTTAAGGGAGCATGGAGA
AAAGAAGAAACGCTCGCGAGAGGATGCTGGAGATAATGATGACACAGAGGGTGCTATTGG
TGTCAGGAACAAGGTGGCTGGAGGAAAAATGAAGAAGCGGAAAGGCCGTTAATCACTTTT
ATGAAGGCTCGAGTTCTGCTGTTCTGTAAAAGAGAATTGGAGAATGAAACCTGCTCCAAC
AGAGATCATGAGACTGAAATTGGTCAGAATTGTGTCCAGAATGTGCTCAGCTAATTCAGT
ATTCTTCCCCATTCTGGGTTGGAGTTTACTGCAGAGTAATTCTTACAGTGCTGATGTCAA
GACTGTTACTGTTCTTCGACTTTGATTCCTTGCTCATGACATGAGTAGGGTGTGCTCTTC
TGTCACTTCACACAGACCTTTTGCCTTTTTTAGCTGCAAGTCAAGGACTAGGTTGATGAT
GCCCATGACCTGTAATTGTAAAGAAGCTTGGACATCTGCAAATGATATTTAAACCATCTT
GGCTTGTGCTTTATTCAAACTAATGTGAAACAATAAATTTAAATATTATTTTTAAAAGAA
AAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_016355

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_016355.3, NP_057439.2
RefSeq Size:	1836 bp
RefSeq ORF:	1368 bp
Locus ID:	51202
UniProt ID:	Q9H0S4
Cytogenetics:	12p13.1
Domains:	DEAD, helicase_C
Gene Summary:	This gene encodes a member of the DEAD box protein family. DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene can shuttle between the nucleus and the cytoplasm, and has an RNA-independent ATPase activity. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) encodes the longer isoform (1).